

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.*

## C-A OPERATIONS PROCEDURES MANUAL

### ATTACHMENT

#### 4.120.52.d U-Upstream & V-Target (PEER 23) Sweep Tests

C-A-OPM Procedures in which this Attachment is used.		
4.120.52		

#### Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
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Approved: \_\_\_\_\_ *Signature on Line* \_\_\_\_\_  
 Collider-Accelerator Department Chairman Date

V. Castillo

#### 4.120.52.d U-Upstream & V-Target (PEER 23) Sweep Tests

##### PASS SEMI-ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title: \_\_\_\_\_ Checksum: \_\_\_\_\_

Division B Software Filename and Checksum: Title: \_\_\_\_\_ Checksum: \_\_\_\_\_

**Initial testing complete:**

Test Team Leader's Name (Print): \_\_\_\_\_ Life Number: \_\_\_\_\_

Test Team Leader's Name (Sign): \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

**Acceptance test procedure complete (following repairs and retesting if required):**

Test Team Leader's Name (Print): \_\_\_\_\_ Life Number: \_\_\_\_\_

Test Team Leader's Name (Sign): \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

**Test results reviewed by:**

Safety Section Head's Name (Print): \_\_\_\_\_ Life Number: \_\_\_\_\_

Safety Section Head's Name (Sign): \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

**Test results accepted by Radiation Safety Committee:**

RSC Member's Name (Print): \_\_\_\_\_ Life Number: \_\_\_\_\_

RSC Member's Name (Sign): \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

## 1.1 Test of Sweep of U-Up

	<b>RESET</b>	Gate <b>UGI1</b>	
<input type="checkbox"/>	<b>VERIFY</b>	Gate <b>UGI1</b> is	<b>RESET</b>
	<b>PLACE</b>	<b>Peer 23</b> in <b>Mode 16</b>	
<input type="checkbox"/>	<b>VERIFY</b>	<b>Peer 23</b> is in <b>Controlled Access</b>	<b>MODE 16</b>
	<b>ACTIVATE</b>	Check station <b>U-UpCS1</b>	
<input type="checkbox"/>	<b>VERIFY</b>	Check station <b>U-UpCS1</b> indicator ( <b>Area Secured</b> )	<b>BLINKS ONCE</b>
	<b>ACTIVATE</b>	Check station <b>U-UpCS2</b>	
<input type="checkbox"/>	<b>VERIFY</b>	Check station <b>U-UpCS2</b> indicator ( <b>Area Secured</b> )	<b>BLINKS ONCE</b>
	<b>ACTIVATE</b>	Check station <b>U-UpCS3</b>	
<input type="checkbox"/>	<b>VERIFY</b>	Check station <b>U-UpCS3</b> indicator ( <b>Area Secured</b> ) remains	<b>ON</b>
	<b>RESET</b>	Gate <b>UGE1</b> from <b>MCR</b>	
<input type="checkbox"/>	<b>VERIFY</b>	Gate <b>UGE1</b> is	<b>RESET</b>
	<b>EXIT</b>	Gate <b>UGE1</b> with <b>Sim. Rel.</b> leaving <b>one</b> personnel <b>inside</b>	
<input type="checkbox"/>	<b>VERIFY</b>	<b>MCR</b> sees Zone <b>U-Up</b>	<b>SWEEP GOOD</b>

- ☐ Check for acceptance of Test of Sweep of U-Up

## 1.2 Test of Illegal Exit from U-Up Drops the Sweep

	<b>EXIT</b>	<b>UGE1</b> without <b>Sim. Rel.</b>	
<input type="checkbox"/>	<b>VERIFY</b>	<b>MCR</b> sees U-Up sweep is	<b>NO SWEEP</b>

- ☐ Check for acceptance of Test of Illegal Exit from U-Up Drops the Sweep

## 1.3 Test of Sweep of V-Target

	<b>RESET</b>	Gate <b>VTGE</b>	
<input type="checkbox"/>	<b>VERIFY</b>	Gate <b>VTGE</b> is	<b>RESET</b>
	<b>PLACE</b>	<b>Peer 23</b> in <b>Mode 16</b>	
<input type="checkbox"/>	<b>VERIFY</b>	<b>Peer 23</b> is in <b>Controlled Access</b>	<b>MODE 16</b>
	<b>ACTIVATE</b>	Check station Button <b>V-TgCS1</b>	
<input type="checkbox"/>	<b>VERIFY</b>	Check station <b>V-TgCS1</b> indicator ( <b>Area Secured</b> )	<b>BLINKS ONCE</b>
	<b>ACTIVATE</b>	Check station <b>V-TgCS2</b> with <b>#7</b> Sweep key	
<input type="checkbox"/>	<b>VERIFY</b>	Check station <b>V-TgCS2</b> indicator ( <b>Area Secured</b> )	<b>ON</b>
<input type="checkbox"/>	<b>VERIFY</b>	<b>MCR</b> sees Zone <b>V-Target</b>	<b>SWEEP GOOD</b>

- ☐ Check for acceptance of Test of Sweep of V-Target

#### 1.4 Test of Illegal Exit from V-Target Drops the Sweep

	<b>OPEN</b>	<b>VTGE</b> gate with <b>Simultaneous Release</b> and <b>#6 CA</b> key	
	<b>ABORT</b>	Simultaneous Release <b>with</b> gate <b>open</b>	
<input type="checkbox"/>	<b>VERIFY</b>	<b>MCR</b> sees V-Target <b>sweep</b> is	<b>NO SWEEP</b>

☐ Check for acceptance of Test of Illegal Exit from V-Target Drops the Sweep

#### END OF TEST PROCEDURE

**TTL: Sign for completion of initial testing:** \_\_\_\_\_

**Date:** \_\_\_\_/\_\_\_\_/\_\_\_\_

**TTL: Sign for completion of final testing:** \_\_\_\_\_

**Date:** \_\_\_\_/\_\_\_\_/\_\_\_\_